

Budget Request Format for EH-63 Funded Projects**Project Title:** JCCRER Dose Reconstruction for Urals Population**Period of Support:** 5/96 - 4/97

Institution: Pacific Northwest National Laboratory
Complete Address: 2955 George Washington Way
P.O. Box 999 MSIN K3-54
Richland, WA 99352

Name of Principal Investigator: Bruce A. Napier**Telephone #:** 509/375-3896 **Fax #:** 509/375-2019**Name of Contact Person:**

Gary D. Louie, Budget Office

Telephone #: 509/375-6593 **Fax #:** 509/375-3826**A. Itemize Equipment (if appropriate) None****Est. Amt. in U.S. \$\$**

Please list description of equipment

Please justify equipment purchase on separate page(s)

Subtotal> \$ -**B. Itemize Supplies None**

Please justify equipment purchase on separate page(s)

Subtotal> \$ -**C. Estimated Travel Costs**Please list names of travellers *Destination*

Bruce A. Napier (2) Chelyabinsk, Russia

Bruce A. Napier (1) Washington, DC

Bruce A. Napier (1) Livermore, CA

Travel Dates

Undetermined \$ 11,824

Undetermined \$ 2,471

Undetermined \$ 1,744

Please report justification for travel on separate page(s)

Subtotal> \$ 16,039**D. Personnel and Other Costs****D. i) Project Personnel Costs**

Please list names of staff members

Percent Effort

BA Napier 22%

WT Farris 4%

DL Soper 2%

PW Eslinger 2%

MC Richmond 2%

JV Ramsdell 2%

Please list duties of each staff on separate pages(s)

Subtotal> \$ 33,639**D. iii) Indirect costs (i.e. subcontracts/publication costs, etc.)**

Russian Workshop Agreements

\$ 4,972

The workshop agreements are a mechanism for providing support to Russian investigators during meetings in the US to discuss modeling uncertainty/sensitivity analyses and prepare a U/S plan as described in the Statement of Work.

Subcontract Service Charges

\$ 298

Duplicating

\$ 47

Overhead

\$ 17,278

General & Admin. Exp.

\$ 26,248

Service Assessment

\$ 1,478

Please itemize these costs with explanations for each cost

Subtotal> \$ 50,321**Est. Total \$ 100,000**

E. Other Sources of Funding

Project Title(s): Environmental Dosimetry Upgrade Project

Source of Funds: U.S. Environmental Protection Agency
B.A. Napier - 20%

Project Title(s): Arctic Nuclear Waste Assessment Program

Source of Funds: Office of Naval Research
B.A. Napier - 20%

Project Title(s): Columbia River Comprehensive Impact Assessment

Source of Funds: Department of Energy/Richland Operations Office
B.A. Napier - 30%

Project Title(s): Hanford Environmental Dose Reconstruction/ Legal Support

Source of Funds: Department of Energy/Richland Operations Office
B.A. Napier - 5%

* Time commitments for other staff to this project are not significant, and are not anticipated to interfere with other work.

Individual Staff Duties

Bruce Napier Staff Scientist. Principle investigator and primary project contact, will perform most of the efforts at developing the joint U.S. / Russian work plan, consultations, development of scoping studies, explanations of model uncertainty and sensitivity, and exhortations for public involvement. Involved in milestones:

- Finalization of detailed Project 1.1 work plan
- Establishment of Project 1.1 temporal, spatial radiological, and pathway scope
- EURT source term report/coordination and review
- Uncertainty and sensitivity analysis plan
- Decision on inclusion of Ozersk cohort
- Decision on continuation of biodosimetry
- Consultations on public involvement

William T. Farris Senior Research Scientist. Support in areas of project management, source term development, environmental dosimetry, and model validation. Involved with Milestones:

- Establishment of Project 1.1 temporal, spatial radiological, and pathway scope
- EURT source term report/coordination and review
- Uncertainty and sensitivity analysis plan
- Consultations on public involvement

Diana Soper Secretary. Project secretarial and administrative support.

Paul W. Eslinger Staff Scientist. Support in statistical evaluation of data and model results, particularly as directed to model validation. Involved with milestone:

- Uncertainty and sensitivity analysis plan

Marshall C. Richmond Senior Research Scientist. Support in surface water transport modeling of the Techa River (currently involved with modeling the Techa-Iset-Miass-Ob river system for a separate project). Involved with Milestone:

- Establishment of Project 1.1 temporal, spatial radiological, and pathway scope
- Uncertainty and sensitivity analysis plan

J.V. (Van) Ramsdell, Jr. Staff Scientist. Support in atmospheric transport modeling and gathering and evaluation of site-specific meteorological data. Involved with Milestones:

- Establishment of Project 1.1 temporal, spatial radiological, and pathway scope
- Uncertainty and sensitivity analysis plan

Travel Justifications

Chelyabinsk, Russia - Participate in joint meetings with Russian collaborators to finalize work plan details, complete scoping studies, and initiate source term development.

Chelyabinsk, Russia - Participate in joint meetings with Russian collaborators to evaluate status after 1 year of effort.

Livermore, CA - Participate in meetings with US collaborators to evaluate status of project.

Washington, DC - Meetings with Department of Energy staff to discuss project status, plans, and public involvement techniques.